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FILE 'USPATFULL' ENTERED AT 22:02:16 ON 27 JUL 2010

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=> e perriat pascal/au

E1	135	PERRIAT P/AU
E2	1	PERRIAT P I/AU
E3	96 -->	PERRIAT PASCAL/AU
E4	6	PERRIAT SANGUINET M/AU
E5	4	PERRIAT SANGUINET MARCO/AU
E6	3	PERRIATT S/AU
E7	3	PERRIATT SHERYL/AU
E8	2	PERRIAU ANNE/AU
E9	1	PERRIAU J/AU
E10	1	PERRIAU JACQUES/AU
E11	1	PERRIAUD L/AU
E12	4	PERRIAUD LAURY/AU

=> s e1 e3

L1 0 "PERRIAT P"/AU "PERRIAT PASCAL"/AU

=> s e1, e3

L2 231 ("PERRIAT P"/AU OR "PERRIAT PASCAL"/AU)

=> s l2 and nanoparticle

L3 102 L2 AND NANOPARTICLE

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 58 DUP REM L3 (44 DUPLICATES REMOVED)

=> d l4 1-10 ti

L4 ANSWER 1 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 1
TI Dendronized iron oxide nanoparticles as contrast agents for MRI

L4 ANSWER 2 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 2
TI Multifunctional nanoparticles: from the detection of biomolecules to the therapy

L4 ANSWER 3 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN
TI Multifunctional gadolinium oxide nanoparticles: towards image-guided therapy

L4 ANSWER 4 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN
TI How gold inclusions increase the rate of fluorescein energy homotransfer in silica beads

L4 ANSWER 5 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN
TI Use of lanthanide-based nanoparticles as radiosensitizing agents

L4 ANSWER 6 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN
TI Use of nanoparticles containing lanthanides as radiosensitizing agents

L4 ANSWER 7 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 3
TI Multi-luminescent hybrid gadolinium oxide nanoparticles as potential cell labeling

L4 ANSWER 8 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 4
TI Delocalization of 4f Electrons in Gadolinium Oxide on the Nanometer Scale

L4 ANSWER 9 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 5
TI Control of the in vivo Biodistribution of Hybrid Nanoparticles with Different Poly(ethylene glycol) Coatings

L4 ANSWER 10 OF 58 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 6
TI Hybrid gadolinium oxide nanoparticles combining imaging and therapy

=> s l4 and (rhodamine or fluorescein)

L5 9 L4 AND (RHODAMINE OR FLUORESCEIN)

=> d l5 1-9

L5 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2010:428365 CAPLUS <<LOGINID::20100727>>

DN 153:49192

TI How gold inclusions increase the rate of fluorescein energy homotransfer in silica beads

AU Martini, Matteo; Roux, Stephane; Montagna, Maurizio; Pansu, Robert; Julien, Carine; Tillement, Olivier; Perriat, Pascal

CS MATEIS, INSA-Lyon, Universite de Lyon, Villeurbanne, 69621, Fr.

SO Chemical Physics Letters (2010), 490(1-3), 72-75

CODEN: CHPLBC; ISSN: 0009-2614

PB Elsevier B.V.
DT Journal
LA English

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:1288398 CAPLUS <<LOGINID::20100727>>
TI Multi-luminescent hybrid gadolinium oxide nanoparticles as
potential cell labeling
AU Fizet, J.; Riviere, C.; Bridot, J.-L.; Charvet, N.; Louis, C.; Billotey,
C.; Raccourt, M.; Morel, G.; Roux, S.; Perriat, P.; Tillement, O.
CS Universite de Lyon, Lyon, F-69003, Fr.
SO Journal of Nanoscience and Nanotechnology (2009), 9(10), 5717-5725
CODEN: JNNOAR; ISSN: 1533-4880
PB American Scientific Publishers
DT Journal
LA English

RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:409297 CAPLUS <<LOGINID::20100727>>
DN 151:41483
TI Hybrid gadolinium oxide nanoparticles combining imaging and
therapy
AU Bridot, Jean-Luc; Dayde, David; Riviere, Charlotte; Mandon, Celine;
Billotey, Claire; Lerondel, Stephanie; Sabattier, Roland; Cartron,
Guillaume; Le Pape, Alain; Blondiaux, Gilbert; Janier, Marc; Perriat,
Pascal; Roux, Stephane; Tillement, Olivier
CS Laboratoire de Physico-Chimie des Materiaux Luminescents, UMR 5620 CNRS -
Universite Claude Bernard Lyon 1, Villeurbanne, 69622, Fr.
SO Journal of Materials Chemistry (2009), 19(16), 2328-2335
CODEN: JMACEP; ISSN: 0959-9428
PB Royal Society of Chemistry
DT Journal
LA English

OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:132576 CAPLUS <<LOGINID::20100727>>
DN 150:509140
TI Core/shell nanoparticles for multiple biological detection with
enhanced sensitivity and kinetics
AU Faure, Anne-Charlotte; Barbillon, Gregory; Ou, Meigui; Ledoux, Gilles;
Tillement, Olivier; Roux, Stephane; Fabregue, Damien; Descamps, Armel;
Bijon, Jean-Louis; Marquette, Christophe A.; Billotey, Claire; Jamois,
Cecile; Benyatou, Taha; Perriat, Pascal
CS CNRS UMR 5620, Laboratoire de Physico-Chimie des Materiaux Luminescents,
Universite de Lyon, Universite Lyon 1, Villeurbanne, F-69622, Fr.
SO Nanotechnology (2008), 19(48), 485103/1-485103/8
CODEN: NNOTER; ISSN: 0957-4484
PB Institute of Physics Publishing
DT Journal
LA English

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2008:1335467 CAPLUS <<LOGINID:20100727>>
 DN 149:508179
 TI Functionalization of Luminescent Aminated Particles for Facile
 Bioconjugation
 AU Faure, Anne-Charlotte; Hoffmann, Celine; Bazzi, Rana; Goubard, Fabrice;
 Pauthe, Emmanuel; Marquette, Christophe A.; Blum, Loic J.; Perriat,
 Pascal; Roux, Stephane; Tillement, Olivier
 CS Laboratoire de Physico-Chimie des Materiaux Luminescents UMR 5620,
 CNRS-Universite Claude Bernard Lyon 1, Villeurbanne, 69622, Fr.
 SO ACS Nano (2008), 2(11), 2273-2282
 CODEN: ANCAC3; ISSN: 1936-0851
 PB American Chemical Society
 DT Journal
 LA English
 OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
 RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2005:470984 CAPLUS <<LOGINID:20100727>>
 DN 142:459666
 TI Luminescent hybrid probes based on gold nanoparticles and method
 for preparation
 IN Vocanson, Francis; Lamartine, Roger; Debouttiere, Pierre Jean; Marquette,
 Christophe; Blum, Loic; Roux, Stephane; Tillement, Olivier; Perriat,
 Pascal
 PA Universite Claude Bernard Lyon I, Fr.; Centre National de la Recherche
 Scientifique CNRS; Insa de Lyon
 SO Fr. Demande, 36 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 2863053	A1	20050603	FR 2003-13978	20031128
FR 2863053	B1	20070406		
WO 2005054858	A1	20050616	WO 2004-FR3039	20041126
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1690091	A1	20060816	EP 2004-805567	20041126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
JP 2007512522	T	20070517	JP 2006-540543	20041126
US 20070275383	A1	20071129	US 2007-581052	20070330
PRAI FR 2003-13978	A	20031128		
WO 2004-FR3039	W	20041126		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
 RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2004:73320 CAPLUS <<LOGINID:20100727>>
 DN 140:345561
 TI Grafting of colloidal stable gold nanoparticles with lissamine
 rhodamine B: an original procedure for counting the number of dye
 molecules attached to the particles
 AU Chabane Sari, S. M.; Debouttiere, P. J.; Lamartine, R.; Vocanson, F.;
 Dujardin, C.; Ledoux, G.; Roux, S.; Tillement, O.; Perriat, P.
 CS LACE, UMR 5634 CNRS, Universite Lyon I, Villeurbanne, 69622, Fr.
 SO Journal of Materials Chemistry (2004), 14(3), 402-407
 CODEN: JMACEP; ISSN: 0959-9428
 PB Royal Society of Chemistry
 DT Journal
 LA English
 OSC.G 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)
 RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 9 USPATFULL on STN
 AN 2007:321997 USPATFULL <<LOGINID:20100727>>
 TI Hybrid Nanoparticles With Ln2O3 Core and Carrying Biological
 Ligands, and Method of Preparation Thereof
 IN Perriat, Pascal, Lyon, FRANCE
 Louis, Cedric, Les Cotes D'Arey, FRANCE
 Marquette, Christophe, Lyon, FRANCE
 Bazzi, Rana, Villeurbanne, FRANCE
 Roux, Stephane, Pont De Cheruy, FRANCE
 Tillement, Olivier, Fontaine Saint Martin, FRANCE
 Ledoux, Gilles, Lyon, FRANCE
 PI US 20070281324 A1 20071206
 AI US 2005-591465 A1 20050302 (10)
 WO 2005-FR491 20050302
 20070629 PCT 371 date
 PRAI FR 2004-2115 20040302
 DT Utility
 FS APPLICATION
 LN.CNT 926
 INCL INCLM: 435/007.500
 INCLS: 435/004.000; 527/100.000
 NCL NCLM: 435/007.500
 NCLS: 435/004.000; 527/100.000
 IC IPCI G01N0033-58 [I,A]; G01N0033-52 [I,A]; G01N0033-533 [I,A];
 G01N0033-553 [I,A]; G01N0033-551 [I,C*]
 IPCR G01N0033-58 [I,C]; G01N0033-58 [I,A]; C01F0017-00 [I,C*];
 C01F0017-00 [I,A]; C08L0083-00 [I,C*]; C08L0083-04 [I,A];
 G01N0033-52 [I,C]; G01N0033-52 [I,A]; G01N0033-533 [I,C];
 G01N0033-533 [I,A]; G01N0033-543 [I,C]; G01N0033-543 [I,A];
 G01N0033-551 [I,C]; G01N0033-553 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 9 USPATFULL on STN
 AN 2007:315180 USPATFULL <<LOGINID:20100727>>
 TI Novel Hybrid Probes with Heightened Luminescence
 IN Vocanson, Francis, Aurec Sur Loire, FRANCE
 Lamartine, Roger, Villeurbanne, FRANCE
 Debouttiere, Pierre Jean, Massieux, FRANCE
 Marquette, Christophe, Lyon, FRANCE
 Blum, Loic, Caluire, FRANCE
 Roux, Stephane, Pont De Cheruy, FRANCE
 Tillement, Olivier, Fontaines Saint Martin, FRANCE
 Perriat, Pascal, Lyon, FRANCE

PI US 20070275383 A1 20071129
 AI US 2004-581052 A1 20041126 (10)
 WO 2004-FR3039 20041126
 20070330 PCT 371 date
 20031128
 PRAI FR 2003-13978
 DT Utility
 FS APPLICATION
 LN,CNT 1053
 INCL INCLM: 435/006.000
 INCLS: 435/004.000; 435/007.200; 435/007.600; 977/774.000
 NCL NCLM: 435/006.000
 NCLS: 435/004.000; 435/007.200; 435/007.600; 977/774.000
 IC IPCI C12Q0001-68 [I,A]; C12Q0001-00 [I,A]; G01N0033-53 [I,A]
 IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; B01J0013-00 [I,C*];
 B01J0013-00 [I,A]; C12Q0001-00 [I,C]; C12Q0001-00 [I,A];
 G01N0033-53 [I,C]; G01N0033-53 [I,A]; G01N0033-543 [I,C*];
 G01N0033-543 [I,A]; G01N0033-58 [I,C*]; G01N0033-58 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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=> e louis cedric/au
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=> e louis cedric/au
E1      1      LOUIS CATHERINE L/AU
E2      1      LOUIS CATHRYN J/AU
E3      24 --> LOUIS CEDRIC/AU
E4      5      LOUIS CELINE/AU
E5      3      LOUIS CERECEDA ENRIQUE/AU
E6      1      LOUIS CESAR E/AU
E7      5      LOUIS CH/AU
E8      1      LOUIS CHANDRAN JOE/AU
E9      2      LOUIS CHANDRAN JOE ANAND/AU
E10     18      LOUIS CHANTAL/AU
E11     1      LOUIS CHANTAL YASMINA/AU
E12     14      LOUIS CHARLES/AU

=> s e3 and (rhodamine or fluorescein)
L6      2      "LOUIS CEDRIC"/AU AND (RHODAMINE OR FLUORESCIN)

=> d l6 1-2
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L6  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2010 ACS on STN
AN  2009:1544041  CAPLUS <<LOGINID::20100727>>
DN  152:335410
TI  Automated Oligonucleotide Solid-Phase Synthesis on Nanosized Silica
    Particles Using Nano-on-Micro Assembled Particle Supports
AU  Farre, Carole; Lansalot, Muriel; Bazzi, Rana; Roux, Stephane; Marquette,
    Christophe A.; Catanante, Gaelle; Blum, Loic J.; Charvet, Nicolas;
    Louis, Cedric; Chaix, Carole
CS  Laboratoire des Sciences Analytiques, UMR 5180, Universite de Lyon, Univ.
    Lyon 1, Villeurbanne, 69622, Fr.
SO  Langmuir (2010), 26(7), 4941-4950
    CODEN: LANGD5; ISSN: 0743-7463
PB  American Chemical Society
DT  Journal
LA  English
RE.CNT 23      THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT
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L6  ANSWER 2 OF 2  USPATFULL on STN
AN  2007:321997  USPATFULL <<LOGINID::20100727>>
TI  Hybrid Nanoparticles With Ln2O3 Core and Carrying Biological Ligands,
    and Method of Preparation Thereof
IN  Perriat, Pascal, Lyon, FRANCE
    Louis, Cedric, Les Cotes D'Arey, FRANCE
    Marquette, Christophe, Lyon, FRANCE
    Bazzi, Rana, Villeurbanne, FRANCE
    Roux, Stephane, Pont De Cheruy, FRANCE
    Tillement, Olivier, Fontaine Saint Martin, FRANCE
    Ledoux, Gilles, Lyon, FRANCE
PI  US 20070281324      A1 20071206
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AI US 2005-591465 AI 20050302 (10)
 WO 2005-FR491 20050302
 20070629 PCT 371 date
 20040302

PRAI FR 2004-2115
 DT Utility
 FS APPLICATION
 LN.CNT 926
 INCL INCLM: 435/007.500
 INCLS: 435/004.000; 527/100.000
 NCL NCLM: 435/007.500
 NCLS: 435/004.000; 527/100.000

IC IPCI G01N0033-58 [I,A]; G01N0033-52 [I,A]; G01N0033-533 [I,A];
 G01N0033-553 [I,A]; G01N0033-551 [I,C*]
 IPCR G01N0033-58 [I,C]; G01N0033-58 [I,A]; C01F0017-00 [I,C*];
 C01F0017-00 [I,A]; C08L0083-00 [I,C*]; C08L0083-04 [I,A];
 G01N0033-52 [I,C]; G01N0033-52 [I,A]; G01N0033-533 [I,C];
 G01N0033-533 [I,A]; G01N0033-543 [I,C*]; G01N0033-543 [I,A];
 G01N0033-551 [I,C]; G01N0033-553 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> e marquette christophe/au

E1	71	MARQUETTE CHARLES HUGO/AU
E2	26	MARQUETTE CHRISTEL/AU
E3	11 -->	MARQUETTE CHRISTOPHE/AU
E4	142	MARQUETTE CHRISTOPHE A/AU
E5	3	MARQUETTE CHRISTOPHE A LABORATOIRE DE GENIE ENZYMATIQ/AU
E6	5	MARQUETTE CHRISTOPHE ANDRE/AU
E7	2	MARQUETTE CLAUDE/AU
E8	1	MARQUETTE CORTNEY L/AU
E9	1	MARQUETTE CRAIG/AU
E10	3	MARQUETTE D/AU
E11	2	MARQUETTE DANIEL/AU
E12	4	MARQUETTE DANIEL T/AU

=> s e3-36
 'E36' NOT FOUND
 The E# entered is not currently defined.

=> s e3-e6

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'MARQUETTE CHRISTOPHE A
 LABORATOIRE DE GENIE ENZYMATI/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'MARQUETTE CHRISTOPHE A
 LABORATOIRE DE GENIE ENZYMATI/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'MARQUETTE CHRISTOPHE A
 LABORATOIRE DE GENIE ENZYMATI/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'MARQUETTE CHRISTOPHE A
 LABORATOIRE DE GENIE ENZYMATI/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'MARQUETTE CHRISTOPHE A
 LABORATOIRE DE GENIE ENZYMATI/AU'

L7 159 ("MARQUETTE CHRISTOPHE"/AU OR "MARQUETTE CHRISTOPHE A"/AU OR
 "MARQUETTE CHRISTOPHE A LABORATOIRE DE GENIE ENZYMATIQ"/AU OR
 "MARQUETTE CHRISTOPHE ANDRE"/AU)

=> s l7 and luminescent
 L8 14 L7 AND LUMINESCENT

=> s l7 and (rhodamine or fluorescein)
L9 8 L7 AND (RHODAMINE OR FLUORESCEIN)

=> dup rem l9
PROCESSING COMPLETED FOR L9
L10 6 DUP REM L9 (2 DUPLICATES REMOVED)

=> d l10 1-6 ti

L10 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
TI Automated Oligonucleotide Solid-Phase Synthesis on Nanosized Silica
Particles Using Nano-on-Micro Assembled Particle Supports

L10 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
TI Functionalization of Luminescent Aminated Particles for Facile
Bioconjugation

L10 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 1
TI Core/shell nanoparticles for multiple biological detection with enhanced
sensitivity and kinetics

L10 ANSWER 4 OF 6 USPATFULL on STN
TI Hybrid Nanoparticles With Ln203 Core and Carrying Biological Ligands,
and Method of Preparation Thereof

L10 ANSWER 5 OF 6 USPATFULL on STN
TI Novel Hybrid Probes with Heightened Luminescence

L10 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
TI Luminescent hybrid probes based on gold nanoparticles and method for
preparation

=> d l10 1-6 ibib abs

L10 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:1544041 CAPLUS <<LOGINID::20100727>>
DOCUMENT NUMBER: 152:335410

TITLE: Automated Oligonucleotide Solid-Phase Synthesis on
Nanosized Silica Particles Using Nano-on-Micro
Assembled Particle Supports

AUTHOR(S): Farre, Carole; Lansalot, Muriel; Bazzi, Rana; Roux,
Stephane; Marquette, Christophe A.;
Catanante, Gaelle; Blum, Loic J.; Charvet, Nicolas;
Louis, Cedric; Chaix, Carole

CORPORATE SOURCE: Laboratoire des Sciences Analytiques, UMR 5180,
Universite de Lyon, Univ. Lyon 1, Villeurbanne, 69622,
Fr.

SOURCE: Langmuir (2010), 26(7), 4941-4950
CODEN: LANGD5; ISSN: 0743-7463

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB An original strategy to enable solid-phase oligodeoxyribonucleotide (ODN)
synthesis on nanosized silica particles is described. It consists of the
reversible immobilization of silica nanoparticles (NPs) on micrometric
silica beads. The resulting assemblies, called nano-on-micro (NOM)
systems, are well adapted to ODN synthesis in an automated instrument.
First, NPs are derivatized with OH functions. For NOM assembly preparation,
these functions react with the silanols of the microbeads under specific

exptl. conditions. Furthermore, OH groups allow ODN synthesis on the nanoparticles via phosphoramidite chemical. The stability of the NOM assemblies during ODN solid-phase synthesis is confirmed by scanning and transmission electron microscopy (SEM and TEM, resp.), together with dynamic light scattering analyses. Then, the release of ODN-functionalized nanoparticles is performed under mild conditions (1% NH4OH in water, 1 h, 60 °C). This technique provides silica nanoparticles well functionalized with oligonucleotides, as demonstrated by hybridization expts. conducted with the cDNA target.

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:1335467 CAPLUS <<LOGINID::20100727>>

DOCUMENT NUMBER: 149:508179

TITLE: Functionalization of Luminescent Aminated Particles for Facile Bioconjugation

AUTHOR(S): Faure, Anne-Charlotte; Hoffmann, Celine; Bazzi, Rana; Goubard, Fabrice; Pauthe, Emmanuel; Marquette, Christophe A.; Blum, Loic J.; Perriat, Pascal; Roux, Stephane; Tillement, Olivier

CORPORATE SOURCE: Laboratoire de Physico-Chimie des Matériaux Luminescents UMR 5620, CNRS-Universite Claude Bernard Lyon 1, Villeurbanne, 69622, Fr.

SOURCE: ACS Nano (2008), 2(11), 2273-2282

CODEN: ANCAC3; ISSN: 1936-0851

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB For labeling proteins (streptavidin and fibronectin) by luminescent aminated nanoparticles, an interesting strategy that requires neither activation nor chemical pre- or post-treatment was explored. Because biomols. are easily rendered luminescent after reaction with organic dyes carrying isothiocyanate moiety, phenylene diisothiocyanate (DITC) was used for covalently binding proteins onto luminescent hybrid gadolinium oxide nanoparticles whose ability to combine imaging and therapy was recently demonstrated.

OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2009:132576 CAPLUS <<LOGINID::20100727>>

DOCUMENT NUMBER: 150:509140

TITLE: Core/shell nanoparticles for multiple biological

detection with enhanced sensitivity and kinetics
AUTHOR(S): Faure, Anne-Charlotte; Barbillon, Gregory; Ou, Meigui; Ledoux, Gilles; Tillement, Olivier; Roux, Stephane; Fabregue, Damien; Descamps, Armel; Bijon, Jean-Louis; Marquette, Christophe A.; Billotey, Claire; Jamois, Cecile; Benyatou, Taha; Perriat, Pascal

CORPORATE SOURCE: CNRS UMR 5620, Laboratoire de Physico-Chimie des Matériaux Luminescents, Universite de Lyon, Universite Lyon 1, Villeurbanne, F-69622, Fr.

SOURCE: Nanotechnology (2008), 19(48), 485103/1-485103/8

CODEN: NNOTER; ISSN: 0957-4484

PUBLISHER: Institute of Physics Publishing

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The paper shows the different methods to attach a mol. to detect

streptavidin to a dielec. particle made of a rare-earth oxide core and a polysiloxane shell containing fluorescein. First, the detection of streptavidin binding on a biotinylated gold substrate can be achieved in three ways: the shift of the surface plasmon resonance of the substrate and the double luminescence (organic and inorg.) of the core/shell particle. Second, these detections are efficient even after elimination upon thermal annealing of all the undesired mols. that skew the assays. Finally, the particle that ballasts the protein enhances its binding kinetics and increases the localized surface plasmon resonance shift that detects the binding.

REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2007:321997 USPATFULL <<LOGINID::20100727>>

TITLE: Hybrid Nanoparticles With Ln2O3 Core and Carrying Biological Ligands, and Method of Preparation Thereof
Perriat, Pascal, Lyon, FRANCE

INVENTOR(S): Louis, Cedric, Les Cotes D'Arey, FRANCE
Marquette, Christophe, Lyon, FRANCE
Bazzi, Rana, Villeurbanne, FRANCE
Roux, Stephane, Pont De Cheruy, FRANCE
Tillement, Olivier, Fontaine Saint Martin, FRANCE
Ledoux, Gilles, Lyon, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070281324	A1	20071206
APPLICATION INFO.:	US 2005-591465	A1	20050302 (10)
	WO 2005-FR491		20050302
			20070629 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2004-2115	20040302
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CLARK & BRODY, 1090 VERMONT AVENUE, NW, SUITE 250, WASHINGTON, DC, 20005, US	
NUMBER OF CLAIMS:	30	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	926	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns hybrid nanoparticles containing:

a nanosphere, of mean diameter included in the range from 2 to 9 nm, of which at least 90% by weight consists of Ln.sub.2O.sub.3 where Ln represents a rare earth, optionally doped with a rare earth or an actinide, or a mixture of rare earths, or a rare earth and actinide mixture, in which at least 50% of the metal ions are rare earth ions, a coating around the nanosphere chiefly consisting of functionalized polysiloxane, having a mean thickness included in the range from 0.5 to 10 nm, preferably greater than 2 nm and no more than 10 nm, and at least one biological ligand grafted by covalent bonding to the polysiloxane coating and their method of preparation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2007:315180 USPATFULL <<LOGINID::20100727>>

TITLE: Novel Hybrid Probes with Heightened Luminescence
 INVENTOR(S): Vocanson, Francis, Aurec Sur Loire, FRANCE
 Lamartine, Roger, Villeurbanne, FRANCE
 Debouttiere, Pierre Jean, Massieux, FRANCE
 Marquette, Christophe, Lyon, FRANCE
 Blum, Loic, Caluire, FRANCE
 Roux, Stephane, Pont De Cheruy, FRANCE
 Tillement, Olivier, Fontaines Saint Martin, FRANCE
 Perriat, Pascal, Lyon, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070275383	A1	20071129
APPLICATION INFO.:	US 2004-581052	A1	20041126 (10)
	WO 2004-FR3039		20041126
			20070330 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2003-13978	20031128
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	CLARK & BRODY, 1090 VERMONT AVENUE, NW, SUITE 250, WASHINGTON, DC, 20005, US	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	1053	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

AB Hybrid probe particles comprising a nanoparticle of gold of diameter in the range extending from 2 to 30 nm on the surface of which, on the one hand, at least one, and preferably from one to 100, organic probe molecules are grafted by gold-sulphur bonds and on the other hand, at least 10, and preferably 10 to 10000, molecules with luminescent activity, as well as their preparation process.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2005:470984 CAPLUS <<LOGINID:20100727>>
 DOCUMENT NUMBER: 142:459666
 TITLE: Luminescent hybrid probes based on gold nanoparticles and method for preparation
 INVENTOR(S): Vocanson, Francis; Lamartine, Roger; Debouttiere, Pierre Jean; Marquette, Christophe; Blum, Loic; Roux, Stephane; Tillement, Olivier; Perriat, Pascal
 PATENT ASSIGNEE(S): Universite Claude Bernard Lyon I, Fr.; Centre National de la Recherche Scientifique CNRS; Insa de Lyon
 SOURCE: Fr. Demande, 36 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2863053	A1	20050603	FR 2003-13978	20031128
FR 2863053	B1	20070406		
WO 2005054858	A1	20050616	WO 2004-FR3039	20041126

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1690091 A1 20060816 EP 2004-805567 20041126

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

JP 2007512522 T 20070517 JP 2006-540543 20041126

US 20070275383 A1 20071129 US 2007-581052 20070330

PRIORITY APPLN. INFO.: FR 2003-13978 A 20031128

WO 2004-FR3039 W 20041126

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The invention concerns particulate hybrid probes composed of 2-30 nm gold nanoparticles that are grafted via gold-sulfur bonds with organic probes and fluorescent probes. Organic probes are selected from the group of DNA, RNA, proteins, antibodies, receptors, enzymes, glycoproteins, glycopeptides, sugars, and vitamins. Fluorescence probes are luminol derivs., lanthanide complexes, lissamine rhodamine B etc. Typically gold colloidal particles are prepared from hydrogentetrachloroaurate trihydrate solution by precipitating with a sodium citrate-tannic acid solution. The particles are functionalized with thiol groups using sodium mercaptoethane sulfonate, thiomalic acid or mercaptoethanol.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> e bazzi rana/au

E1 3 BAZZI RABIH/AU

E2 1 BAZZI RAFIC/AU

E3 37 --> BAZZI RANA/AU

E4 1 BAZZI RANNA I/AU

E5 2 BAZZI RIDA/AU

E6 19 BAZZI RIDA A/AU

E7 18 BAZZI S/AU

E8 6 BAZZI SAMER/AU

E9 4 BAZZI SONIA/AU

E10 6 BAZZI STEFANO/AU

E11 15 BAZZI T/AU

E12 56 BAZZI U/AU

=> s e3 and (rhodamine or fluorescein)

L11 5 "BAZZI RANA"/AU AND (RHODAMINE OR FLUORESCEIN)

=> d l11

L11 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2009:1544041 CAPLUS <<LOGINID:20100727>>

DN 152:335410

TI Automated Oligonucleotide Solid-Phase Synthesis on Nanosized Silica Particles Using Nano-on-Micro Assembled Particle Supports

AU Farre, Carole; Lansalot, Muriel; Bazzi, Rana; Roux, Stephane; Marquette, Christophe A.; Catanante, Gaelle; Blum, Loic J.; Charvet,

Nicolas; Louis, Cedric; Chaix, Carole
CS Laboratoire des Sciences Analytiques, UMR 5180, Universite de Lyon, Univ.
Lyon 1, Villeurbanne, 69622, Fr.
SO Langmuir (2010), 26(7), 4941-4950
CODEN: LANGD5; ISSN: 0743-7463
PB American Chemical Society
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l11 2-5

L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:1134616 CAPLUS <<LOGINID:20100727>>
DN 151:542173
TI Multistep Continuous-Flow Microsynthesis of Magnetic and Fluorescent
.gamma.-Fe2O3@SiO2 Core/Shell Nanoparticles
AU Abou-Hassan, Ali; Bazzi, Rana; Cabuil, Valerie
CS UPMC Univ Paris 6, UMR 7195, Equipe Colloides Inorganiques, Laboratoire de
Physicochimie des Electrolytes Colloides et Sciences Analytiques(PECSA),
Universite Paris 6 (UPMC), Paris, 75252, Fr.
SO Angewandte Chemie, International Edition (2009), 48(39), 7180-7183
CODEN: ACIEF5; ISSN: 1433-7851
PB Wiley-VCH Verlag GmbH & Co. KGaA
DT Journal
LA English
OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:1335467 CAPLUS <<LOGINID:20100727>>
DN 149:508179
TI Functionalization of Luminescent Aminated Particles for Facile
Bioconjugation
AU Faure, Anne-Charlotte; Hoffmann, Celine; Bazzi, Rana; Goubard,
Fabrice; Pauthe, Emmanuel; Marquette, Christophe A.; Blum, Loic J.;
Perriat, Pascal; Roux, Stephane; Tillement, Olivier
CS Laboratoire de Physico-Chimie des Matériaux Luminescents UMR 5620,
CNRS-Universite Claude Bernard Lyon 1, Villeurbanne, 69622, Fr.
SO ACS Nano (2008), 2(11), 2273-2282
CODEN: ANCAC3; ISSN: 1936-0851
PB American Chemical Society
DT Journal
LA English
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 5 COMPENDEX COPYRIGHT 2010 EEI on STN
AN 2009-4312388901 COMPENDEX <<LOGINID:20100727>>
TI Multistep continuous-flow microsynthesis of magnetic and fluorescent
gamma-Fe2O3@SiO2 core/shell nanoparticles
AU Abou-Hassan Ali; Bazzi Rana; Cabuil Valerie
CS Abou-Hassan Ali; Bazzi Rana; Cabuil Valerie (UPMC Univ Paris 6,
Laboratoire de Physicochimie des Electrolytes Colloides et Sciences
Analytiques(PECSA), Case 51, 4 place Jussieu, 75252 Paris Cedex 05 (FR))
EMAIL: ali.abou_hassan@upmc.fr
SO Angewandte Chemie - International Edition (14 Sep 2009) Volume 48,

Number 39, pp. 7180-7183, 43 refs.
CODEN: ACIEAY ISSN: 1433-7851
DOI: 10.1002/anie.200902181
Published by: Wiley-VCH Verlag, P.O. Box 101161, Weinheim, D-69451 (DE)
CY Germany, Federal Republic of
DT Journal; Article
LA English
SL English
ED Entered STN: 28 Oct 2009
Last updated on STN: 28 Oct 2009

L11 ANSWER 5 OF 5 USPATFULL on STN
AN 2007:321997 USPATFULL <<LOGINID::20100727>>
TI Hybrid Nanoparticles With Ln2O3 Core and Carrying Biological Ligands,
and Method of Preparation Thereof
IN Perriat, Pascal, Lyon, FRANCE
Louis, Cedric, Les Cotes D'Arey, FRANCE
Marquette, Christophe, Lyon, FRANCE
Bazzi, Rana, Villeurbanne, FRANCE
Roux, Stephane, Pont De Cheruy, FRANCE
Tillement, Olivier, Fontaine Saint Martin, FRANCE
Ledoux, Gilles, Lyon, FRANCE
PI US 20070281324 A1 20071206
AI US 2005-591465 A1 20050302 (10)
WO 2005-FR491 20050302
20070629 PCT 371 date
20040302
PRAI FR 2004-2115
DT Utility
FS APPLICATION
LN.CNT 926
INCL INCLM: 435/007.500
INCLS: 435/004.000; 527/100.000
NCL NCLM: 435/007.500
NCLS: 435/004.000; 527/100.000
IC IPCI G01N0033-58 [I,A]; G01N0033-52 [I,A]; G01N0033-533 [I,A];
G01N0033-553 [I,A]; G01N0033-551 [I,C*]
IPCR G01N0033-58 [I,C]; G01N0033-58 [I,A]; C01F0017-00 [I,C*];
C01F0017-00 [I,A]; C08L0083-00 [I,C*]; C08L0083-04 [I,A];
G01N0033-52 [I,C]; G01N0033-52 [I,A]; G01N0033-533 [I,C];
G01N0033-533 [I,A]; G01N0033-543 [I,C*]; G01N0033-543 [I,A];
G01N0033-551 [I,C]; G01N0033-553 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> e roux strephane/au
E1 2 ROUX STEVEN J/AU
E2 1 ROUX STPHANE/AU
E3 0 --> ROUX STREPHANE/AU
E4 1 ROUX SURETHA/AU
E5 2 ROUX SURITA/AU
E6 2 ROUX SUSAN/AU
E7 1 ROUX SUSAN L/AU
E8 1 ROUX SUSAN P/AU
E9 28 ROUX SYLVAIN/AU
E10 61 ROUX SYLVIE/AU
E11 9 ROUX T/AU
E12 1 ROUX T F/AU

=> e roux stephane/au
E1 24 ROUX STEPHAN/AU
E2 2 ROUX STEPHAN P/AU

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E3      257 --> ROUX STEPHANE/AU
E4      9      ROUX STEPHANE G/AU
E5      1      ROUX STEPHANE LE/AU
E6      1      ROUX STEPHANE SURFACE DU VERRE ET INTERFACES UNITE MI/AU
E7      1      ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GOB/AU
E8      7      ROUX STEPHANIE/AU
E9      38     ROUX STEPHEN/AU
E10     2      ROUX STEPHEN R/AU
E11     2      ROUX STEVEN/AU
E12     2      ROUX STEVEN J/AU

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=> s e3, e6, e7

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'ROUX STEPHANE UNITE MIXTE DE RECHERCHE CNRS SAINT GO/AU'

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L12      257 ("ROUX STEPHANE"/AU OR "ROUX STEPHANE SURFACE DU VERRE ET INTERF
          ACES UNITE MI"/AU OR "ROUX STEPHANE UNITE MIXTE DE RECHERCHE
          CNRS SAINT GOB"/AU)

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=> dup rem l12

PROCESSING COMPLETED FOR L12

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L13      175 DUP REM L12 (82 DUPLICATES REMOVED)

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=> s l13 and (rhodamine fluorescein)

```

L14      0 L13 AND (RHODAMINE FLUORESCIEIN)

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=> s l13 and (rhodamine fluorescein)

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L15      0 L13 AND (RHODAMINE FLUORESCIEIN)

```

=> s l13 and (rhodamine or fluorescein)

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L16      8 L13 AND (RHODAMINE OR FLUORESCIEIN)

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=> d l16 1-8

L16 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2010:428365 CAPLUS <<LOGINID::20100727>>
 DN 153:49192
 TI How gold inclusions increase the rate of fluorescein energy
 homotransfer in silica beads
 AU Martini, Matteo; Roux, Stephane; Montagna, Maurizio; Pansu,
 Robert; Julien, Carine; Tillement, Olivier; Perriat, Pascal
 CS MATEIS, INSA-Lyon, Universite de Lyon, Villeurbanne, 69621, Fr.
 SO Chemical Physics Letters (2010), 490(1-3), 72-75
 CODEN: CHPLBC; ISSN: 0009-2614
 PB Elsevier B.V.
 DT Journal
 LA English
 RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2009:1544041 CAPLUS <<LOGINID::20100727>>
 DN 152:335410
 TI Automated Oligonucleotide Solid-Phase Synthesis on Nanosized Silica
 Particles Using Nano-on-Micro Assembled Particle Supports
 AU Farre, Carole; Lansalot, Muriel; Bazzi, Rana; Roux, Stephane;
 Marquette, Christophe A.; Catanante, Gaelle; Blum, Loic J.; Charvet,
 Nicolas; Louis, Cedric; Chaix, Carole
 CS Laboratoire des Sciences Analytiques, UMR 5180, Universite de Lyon, Univ.
 Lyon 1, Villeurbanne, 69622, Fr.
 SO Langmuir (2010), 26(7), 4941-4950
 CODEN: LANGD5; ISSN: 0743-7463
 PB American Chemical Society
 DT Journal
 LA English
 RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2009:409297 CAPLUS <<LOGINID::20100727>>
 DN 151:41483
 TI Hybrid gadolinium oxide nanoparticles combining imaging and therapy
 Bridot, Jean-Luc; Dayde, David; Riviere, Charlotte; Mandon, Celine;
 Billotey, Claire; Lerondel, Stephanie; Sabattier, Roland; Cartron,
 Guillaume; Le Pape, Alain; Blondiaux, Gilbert; Janier, Marc; Perriat,
 Pascal; Roux, Stephane; Tillement, Olivier
 CS Laboratoire de Physico-Chimie des Matériaux Luminescents, UMR 5620 CNRS -
 Universite Claude Bernard Lyon 1, Villeurbanne, 69622, Fr.
 SO Journal of Materials Chemistry (2009), 19(16), 2328-2335
 CODEN: JMACEP; ISSN: 0959-9428
 PB Royal Society of Chemistry
 DT Journal
 LA English
 OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
 RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2009:132576 CAPLUS <<LOGINID::20100727>>
 DN 150:509140
 TI Core/shell nanoparticles for multiple biological detection with enhanced
 sensitivity and kinetics
 AU Faure, Anne-Charlotte; Barbillon, Gregory; Ou, Meigui; Ledoux, Gilles;
 Tillement, Olivier; Roux, Stephane; Fabregue, Damien; Descamps,
 Armel; Bijeon, Jean-Louis; Marquette, Christophe A.; Billotey, Claire;

Jamois, Cecile; Benyatou, Taha; Perriat, Pascal
 CS CNRS UMR 5620, Laboratoire de Physico-Chimie des Matériaux Luminescents,
 Université de Lyon, Université Lyon 1, Villeurbanne, F-69622, Fr.
 SO Nanotechnology (2008), 19(48), 485103/1-485103/8
 CODEN: NNTER; ISSN: 0957-4484
 PB Institute of Physics Publishing
 DT Journal
 LA English
 RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2008:1335467 CAPLUS <<LOGINID::20100727>>
 DN 149:508179
 TI Functionalization of Luminescent Aminated Particles for Facile
 Bioconjugation
 AU Faure, Anne-Charlotte; Hoffmann, Celine; Bazzi, Rana; Goubard, Fabrice;
 Pauthe, Emmanuel; Marquette, Christophe A.; Blum, Loic J.; Perriat,
 Pascal; Roux, Stephane; Tillement, Olivier
 CS Laboratoire de Physico-Chimie des Matériaux Luminescents UMR 5620,
 CNRS-Université Claude Bernard Lyon 1, Villeurbanne, 69622, Fr.
 SO ACS Nano (2008), 2(11), 2273-2282
 CODEN: ANCAC3; ISSN: 1936-0851
 PB American Chemical Society
 DT Journal
 LA English
 OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
 RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2005:470984 CAPLUS <<LOGINID::20100727>>
 DN 142:459666
 TI Luminescent hybrid probes based on gold nanoparticles and method for
 preparation
 IN Vocanson, Francis; Lamartine, Roger; Debouttiere, Pierre Jean; Marquette,
 Christophe; Blum, Loic; Roux, Stephane; Tillement, Olivier;
 Perriat, Pascal
 PA Université Claude Bernard Lyon I, Fr.; Centre National de la Recherche
 Scientifique CNRS; Insa de Lyon
 SO Fr. Demande, 36 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2863053	A1	20050603	FR 2003-13978	20031128
	FR 2863053	B1	20070406		
	WO 2005054858	A1	20050616	WO 2004-FR3039	20041126
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

EP 1690091 A1 20060816 EP 2004-805567 20041126
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
 JP 2007512522 T 20070517 JP 2006-540543 20041126
 US 20070275383 A1 20071129 US 2007-581052 20070330
 PRAI FR 2003-13978 A 20031128
 WO 2004-FR3039 W 20041126
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
 RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 8 USPATFULL on STN
 AN 2007:321997 USPATFULL <<LOGINID::20100727>>
 TI Hybrid Nanoparticles With Ln203 Core and Carrying Biological Ligands,
 and Method of Preparation Thereof
 IN Perriat, Pascal, Lyon, FRANCE
 Louis, Cedric, Les Cotes D'Arey, FRANCE
 Marquette, Christophe, Lyon, FRANCE
 Bazzi, Rana, Villeurbanne, FRANCE
 Roux, Stephane, Pont De Cheruy, FRANCE
 Tillement, Olivier, Fontaine Saint Martin, FRANCE
 Ledoux, Gilles, Lyon, FRANCE
 PI US 20070281324 A1 20071206
 AI US 2005-591465 A1 20050302 (10)
 WO 2005-FR491 20050302
 20070629 PCT 371 date
 20040302
 PRAI FR 2004-2115
 DT Utility
 FS APPLICATION
 LN.CNT 926
 INCL INCLM: 435/007.500
 INCLS: 435/004.000; 527/100.000
 NCL NCLM: 435/007.500
 NCLS: 435/004.000; 527/100.000
 IC IPCI G01N0033-58 [I,A]; G01N0033-52 [I,A]; G01N0033-533 [I,A];
 G01N0033-553 [I,A]; G01N0033-551 [I,C*]
 IPCR G01N0033-58 [I,C]; G01N0033-58 [I,A]; C01F0017-00 [I,C*];
 C01F0017-00 [I,A]; C08L0083-00 [I,C*]; C08L0083-04 [I,A];
 G01N0033-52 [I,C]; G01N0033-52 [I,A]; G01N0033-533 [I,C];
 G01N0033-533 [I,A]; G01N0033-543 [I,C*]; G01N0033-543 [I,A];
 G01N0033-551 [I,C]; G01N0033-553 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 8 OF 8 USPATFULL on STN
 AN 2007:315180 USPATFULL <<LOGINID::20100727>>
 TI Novel Hybrid Probes with Heightened Luminescence
 IN Vocanson, Francis, Aurec Sur Loire, FRANCE
 Lamartine, Roger, Villeurbanne, FRANCE
 Debouttiere, Pierre Jean, Massieux, FRANCE
 Marquette, Christophe, Lyon, FRANCE
 Blum, Loic, Caluire, FRANCE
 Roux, Stephane, Pont De Cheruy, FRANCE
 Tillement, Olivier, Fontaines Saint Martin, FRANCE
 Perriat, Pascal, Lyon, FRANCE
 PI US 20070275383 A1 20071129
 AI US 2004-581052 A1 20041126 (10)
 WO 2004-FR3039 20041126
 20070330 PCT 371 date
 PRAI FR 2003-13978 20031128
 DT Utility

FS APPLICATION
 LN.CNT 1053
 INCL INCLM: 435/006.000
 INCLS: 435/004.000; 435/007.200; 435/007.600; 977/774.000
 NCL NCLM: 435/006.000
 NCLS: 435/004.000; 435/007.200; 435/007.600; 977/774.000
 IC IPCI C12Q0001-68 [I,A]; C12Q0001-00 [I,A]; G01N0033-53 [I,A]
 IPCR C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; B01J0013-00 [I,C*];
 B01J0013-00 [I,A]; C12Q0001-00 [I,C]; C12Q0001-00 [I,A];
 G01N0033-53 [I,C]; G01N0033-53 [I,A]; G01N0033-543 [I,C*];
 G01N0033-543 [I,A]; G01N0033-58 [I,C*]; G01N0033-58 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> e tillement olivier/au
 E1 1 TILLEMENT M/AU
 E2 148 TILLEMENT O/AU
 E3 107 --> TILLEMENT OLIVIER/AU
 E4 1 TILLEMENT P P/AU
 E5 2 TILLEMENT PIERRE/AU
 E6 13 TILLEMENT PIERRE ANDRE HENRI/AU
 E7 2 TILLEMENT V/AU
 E8 18 TILLEMENT VANESSA/AU
 E9 1 TILLEN B/AU
 E10 2 TILLEN BRUCE/AU
 E11 1 TILLEN D/AU
 E12 2 TILLEN KEITH G/AU

=> s e2, e3
 L17 255 ("TILLEMENT O"/AU OR "TILLEMENT OLIVIER"/AU)

=> dup rem l17
 PROCESSING COMPLETED FOR L17
 L18 143 DUP REM L17 (112 DUPLICATES REMOVED)

=> s l18 and (rhodamine or fluorescein)
 L19 13 L18 AND (RHODAMINE OR FLUORESC EIN)

=> d l19 1-13 ti

L19 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI How gold inclusions increase the rate of fluorescein energy
 homotransfer in silica beads

L19 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI How to measure quantum yields in scattering media: Application to the
 quantum yield measurement of fluorescein molecules encapsulated
 in sub-100 nm silica particles

L19 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI Multi-luminescent hybrid gadolinium oxide nanoparticles as potential cell
 labeling

L19 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI How Gold Particles Suppress Concentration Quenching of Fluorophores
 Encapsulated in Silica Beads

L19 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI Hybrid gadolinium oxide nanoparticles combining imaging and therapy

L19 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN

TI Core/shell nanoparticles for multiple biological detection with enhanced sensitivity and kinetics

L19 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI Dispersion and incorporation of optical nanotracer

L19 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI Functionalization of Luminescent Aminated Particles for Facile Bioconjugation

L19 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI Luminescent hybrid probes based on gold nanoparticles and method for preparation

L19 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2010 ACS on STN
 TI Grafting of colloidal stable gold nanoparticles with lissamine rhodamine B: an original procedure for counting the number of dye molecules attached to the particles

L19 ANSWER 11 OF 13 USPATFULL on STN
 TI PROCESS FOR MODIFYING ARAMID FIBERS AND PROCESS FOR DYEING SAID FIBERS

L19 ANSWER 12 OF 13 USPATFULL on STN
 TI Hybrid Nanoparticles With Ln2O3 Core and Carrying Biological Ligands, and Method of Preparation Thereof

L19 ANSWER 13 OF 13 USPATFULL on STN
 TI Novel Hybrid Probes with Heightened Luminescence

=> s ledoux gilles/au
 L20 59 LEDOUX GILLES/AU

=> e ledoux gilles/au

E1	1	LEDOUX GILBERT/AU
E2	2	LEDOUX GILBERT A/AU
E3	59	--> LEDOUX GILLES/AU
E4	2	LEDOUX GREG A/AU
E5	1	LEDOUX H/AU
E6	1	LEDOUX HERVE/AU
E7	1	LEDOUX HUBERT/AU
E8	3	LEDOUX HUGO/AU
E9	122	LEDOUX I/AU
E10	1	LEDOUX ISABEL/AU
E11	161	LEDOUX ISABELLE/AU
E12	125	LEDOUX J/AU

=> s e3
 L21 59 "LEDOUX GILLES"/AU

=> dup rem l21
 PROCESSING COMPLETED FOR L21
 L22 33 DUP REM L21 (26 DUPLICATES REMOVED)

=> s l22 and (rhodamine or fluorescein)
 L23 2 L22 AND (RHODAMINE OR FLUORESCIEIN)

=> d l23 1-2

L23 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2009:132576 CAPLUS <<LOGINID::20100727>>

DN 150:509140
 TI Core/shell nanoparticles for multiple biological detection with enhanced sensitivity and kinetics
 AU Faure, Anne-Charlotte; Barbillon, Gregory; Ou, Meigui; Ledoux, Gilles; Tillement, Olivier; Roux, Stephane; Fabregue, Damien; Descamps, Armel; Bijeon, Jean-Louis; Marquette, Christophe A.; Billotey, Claire; Jamois, Cecile; Benyatou, Taha; Perriat, Pascal
 CS CNRS UMR 5620, Laboratoire de Physico-Chimie des Matériaux Luminescents, Université de Lyon, Université Lyon 1, Villeurbanne, F-69622, Fr.
 SO Nanotechnology (2008), 19(48), 485103/1-485103/8
 CODEN: NNOTER; ISSN: 0957-4484
 PB Institute of Physics Publishing
 DT Journal
 LA English
 RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 2 OF 2 USPATFULL on STN
 AN 2007:321997 USPATFULL <<LOGINID:20100727>>
 TI Hybrid Nanoparticles With Ln2O3 Core and Carrying Biological Ligands, and Method of Preparation Thereof
 IN Perriat, Pascal, Lyon, FRANCE
 Louis, Cedric, Les Cotes D'Arey, FRANCE
 Marquette, Christophe, Lyon, FRANCE
 Bazzi, Rana, Villeurbanne, FRANCE
 Roux, Stephane, Pont De Cheruy, FRANCE
 Tillement, Olivier, Fontaine Saint Martin, FRANCE
 Ledoux, Gilles, Lyon, FRANCE
 PI US 20070281324 A1 20071206
 AI US 2005-591465 A1 20050302 (10)
 WO 2005-FR491 20050302
 20070629 PCI 371 date
 PRAI FR 2004-2115 20040302
 DT Utility
 FS APPLICATION
 LN.CNT 926
 INCL INCLM: 435/007.500
 INCLS: 435/004.000; 527/100.000
 NCL NCLM: 435/007.500
 NCLS: 435/004.000; 527/100.000
 IC IPCI G01N0033-58 [I,A]; G01N0033-52 [I,A]; G01N0033-533 [I,A];
 G01N0033-553 [I,A]; G01N0033-551 [I,C*]
 IPCR G01N0033-58 [I,C]; G01N0033-58 [I,A]; C01F0017-00 [I,C*];
 C01F0017-00 [I,A]; C08L0083-00 [I,C*]; C08L0083-04 [I,A];
 G01N0033-52 [I,C]; G01N0033-52 [I,A]; G01N0033-533 [I,C];
 G01N0033-533 [I,A]; G01N0033-543 [I,C*]; G01N0033-543 [I,A];
 G01N0033-551 [I,C]; G01N0033-553 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s dye (p) (coat? or shell) (p) (nanoparticle or particle nanosphere or nanobead or sphere or bead)
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'DYE (P) '
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'SHELL) (P) '
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'DYE (P) '
 PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
 FIELD CODE - 'AND' OPERATOR ASSUMED 'SHELL) (P) '
 L24 5301 DYE (P) (COAT? OR SHELL) (P) (NANOPARTICLE OR PARTICLE NANOSPHER

E OR NANOBEAD OR SPHERE OR BEAD)

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=> dup rem l24
PROCESSING IS APPROXIMATELY 26% COMPLETE FOR L24
PROCESSING IS APPROXIMATELY 40% COMPLETE FOR L24
PROCESSING IS APPROXIMATELY 47% COMPLETE FOR L24
PROCESSING IS APPROXIMATELY 53% COMPLETE FOR L24
PROCESSING IS APPROXIMATELY 58% COMPLETE FOR L24
PROCESSING IS APPROXIMATELY 64% COMPLETE FOR L24
PROCESSING IS APPROXIMATELY 69% COMPLETE FOR L24
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PROCESSING COMPLETED FOR L24
L25      4442 DUP REM L24 (859 DUPLICATES REMOVED)
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=> s l25 and rare earth
L26      200 L25 AND RARE EARTH
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=> s l26 (L) (fluorescein or rhodamine)
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L252 (L) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L254 (L) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L256 (L) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L258 (L) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L260 (L) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L262 (L) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L264 (L) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L266 (L) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L268 (L) '
L27      75 L26 (L) (FLUORESC EIN OR RHODAMINE)
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=> d l27 1-10 ti
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L27 ANSWER 1 OF 75 CAPLUS COPYRIGHT 2010 ACS on STN
TI Multifunctional nanoparticles and compositions comprising metallic core,
biocompatible shell with optical contrast agent, and targeting
multidentate ligand conjugate, and methods of use thereof for diagnostic
imaging and treatment
```

```
L27 ANSWER 2 OF 75 CAPLUS COPYRIGHT 2010 ACS on STN
TI Sol-Gel-Derived Spheres for Spherical Microcavity
```

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L27 ANSWER 3 OF 75 CAPLUS COPYRIGHT 2010 ACS on STN
TI Synthesis of porous spherical organosilica particles, optionally
dye-labeled, for use in sequential synthesis of compounds such as DNA
```

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L27 ANSWER 4 OF 75 USPATFULL on STN
TI Immunonanotherapeutics that Provide IgG Humoral Response Without T-Cell
Antigen
```

L27 ANSWER 5 OF 75 USPATFULL on STN
 TI Antibodies directed against prothrombin fragment F1+2, the preparation and use thereof

L27 ANSWER 6 OF 75 USPATFULL on STN
 TI Adjuvant Incorporation in Immunonanotherapeutics

L27 ANSWER 7 OF 75 USPATFULL on STN
 TI SINGLE MOLECULE ASSAYS

L27 ANSWER 8 OF 75 USPATFULL on STN
 TI SELF-POWERED RANDOM SCATTERING LASER DEVICES

L27 ANSWER 9 OF 75 USPATFULL on STN
 TI COMPOSITIONS AND METHODS FOR MODULATING NOD-LIKE RECEPTOR ACTIVITY AND USES THEREOF

L27 ANSWER 10 OF 75 USPATFULL on STN
 TI IMPROVED HOMOGENEOUS LUMINESCENCE BIOASSAY

=> d 127 1,3,10

L27 ANSWER 1 OF 75 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2008:1158773 CAPLUS <<LOGINID:20100727>>
 DN 149:386623
 TI Multifunctional nanoparticles and compositions comprising metallic core, biocompatible shell with optical contrast agent, and targeting multidentate ligand conjugate, and methods of use thereof for diagnostic imaging and treatment
 IN Bumb, Ambika; Brechbiel, Martin W.; Choyke, Peter; Fugger, Lars; Dobson, Peter James
 PA Government of the United States of America, Represented by the Secretary, Department of Health and Human Services, USA; University of Oxford
 SO PCT Int. Appl., 33pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008115854	A2	20080925	WO 2008-US57206	20080317
WO 2008115854	A3	20090319		
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AE, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA US 20100092384 A1 20100415 US 2009-531841 20091208 FRAI US 2007-907085P P 20070319 WO 2008-US57206 W 20080317				

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

L27 ANSWER 3 OF 75 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2003:22936 CAPLUS <<LOGINID::20100727>>

DN 138:91808

TI Synthesis of porous spherical organosilica particles, optionally
dye-labeled, for use in sequential synthesis of compounds such as DNA

IN Trau, Mathias; Johnston, Angus

PA Nanomics Biosystems Pty, Ltd., Australia

SO PCT Int. Appl., 91 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003002633	A1	20030109	WO 2002-IB3375	20020701
	WO 2003002633	A9	20040826		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2491110	A1	20030109	CA 2002-2491110	20020701
	AU 2002330668	A1	20030303	AU 2002-330668	20020701
	AU 2002330668	B2	20071115		
	US 20030124564	A1	20030703	US 2002-186783	20020701
	US 7754646	B2	20100713		
	EP 1412413	A1	20040428	EP 2002-767743	20020701
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
PRAI	US 2001-301415P	P	20010629		
	WO 2002-IB3375	W	20020701		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OSC.G 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 10 OF 75 USPATFULL on STN

AN 2010:97559 USPATFULL <<LOGINID::20100727>>

TI IMPROVED HOMOGENEOUS LUMINESCENCE BIOASSAY

IN Soukka, Tero, Turku, FINLAND

Lamminmaki, Urpo, Vanhalinna, FINLAND

PI US 20100086930 A1 20100408

AI US 2008-527490 A1 20080226 (12)

WO 2008-FI50088
20080226
20090817 PCT 371 date

PRAI FI 2007-163 20070227

US 2007-903514P 20070227 (60)

DT Utility

FS APPLICATION

LN.CNT 1967

INCL INCLM: 435 6

INCLS: 435/071.000

NCL NCLM: 435/006.000

NCLS: 435/007.100

IC IPCI C12Q0001-68 [I,A]; G01N0033-53 [I,A]

=> FIL STNGUIDE
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
207.06	249.64

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
-3.40	-3.40

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jul 23, 2010 (20100716/UP).